



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Clopay Building Products Co.
8585 Duke Boulevard
Mason, OH 45040

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sectional Garage Door 18' Wide.

APPROVAL DOCUMENT: Drawing No. 102621, titled "Clopay M/N 84A, 94 & H94, Ideal M/N 4RST & H4ST, Holmes M/N 48", dated 06/17/02 with last revision on 01/13/03, sheets 1 of 1, prepared by Clopay Building Products Company, signed and sealed by M. W. Westerfield, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimen were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 34,300 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 as well as the approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**



NOA No 02-1115.05
Expiration Date: February 13, 2008
Approval Date: February 13, 2003
Page 1

Clopay Building Products Co.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Drawing prepared by Clopay Building Products Company, titled "Clopay M/N 84A, 94 & H94, Ideal M/N 4RST & H4ST; Holmes M/N48", drawing No. 102621, dated 06/17/02, with latest revision on 01/13/03, sheets 1 of 1, signed and sealed by M. W. Westerfield, PE.

B. TESTS

1. Test report on Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 on a 18'-2' x 8' door model 94, prepared by American Test Lab of South Florida, report No. ATL 0924.02-02, dated 10/29/02, signed and sealed by W. Mehner, PE.
2. Addendum No. ATL 02055 to test report No. 0924.02-02, prepared by American Test Lab of South Florida dated 12/30/02, signed and sealed by W. R. Mehner PE.

C. CALCULATIONS


1. Fastener attachment calculations prepared by M. W. Westerfield, sheets 1 & 2 signed and sealed by M. W. Westerfield, PE. on 11/12/02.

D. MATERIAL CERTIFICATIONS

1. Tensile test report No. 2JM-1181 per ASTM E8, prepared by Q. C. Metallurgical, Inc, dated 10/23/02, signed and sealed by F. Grate, PE.
2. Salt Spray Exposure test report No. 9EM-1144, per ASTM D1654 & ASTM B117, prepared by Q. C. Metallurgical Inc, dated 08/03/99, signed and sealed by F. Grate, PE.

E. STATEMENTS

1. Code Compliance letter issued by Clopay Building Products Co. on 11/19/02, signed and sealed by M. W. Westerfield, PE.
2. No financial interest letter prepared & signed by Mark Westerfield and notarized by L. C. Schaffner on 11/19/02.
3. Test compliance letter issued by American Test Lab of South Florida. on 10/29/02 signed and sealed by W. R Mehner, PE.



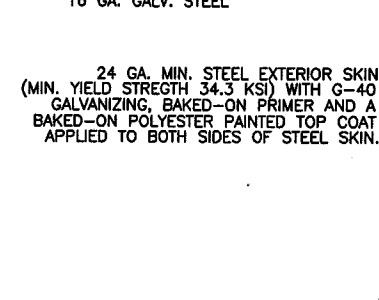
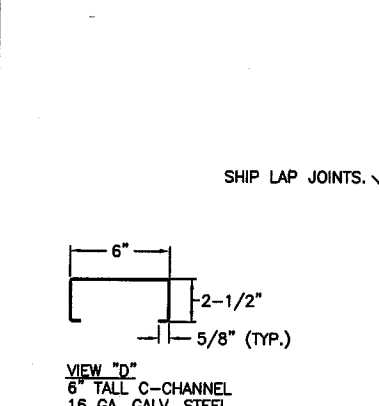
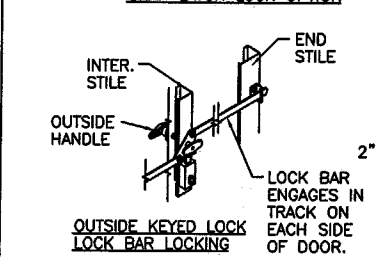
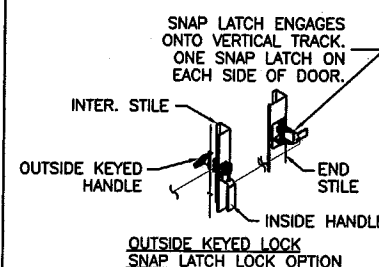
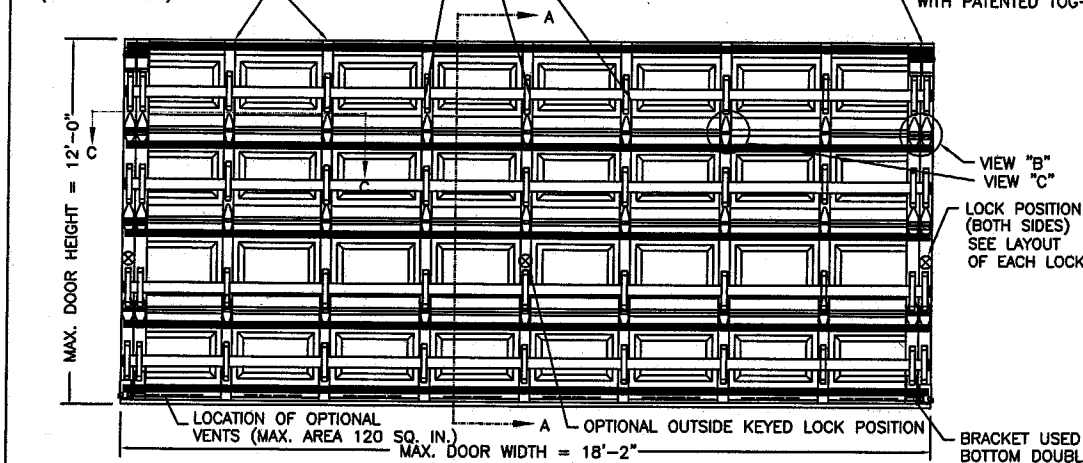
Candido F. Font, PE.
Product Control Division
NOA No 02-1115.05

Expiration Date: February 13, 2008
Approval Date: February 13, 2003

CLOPAY MODELS 84A, 94, H94
IDEAL MODELS 4RST, H4ST
HOLMES MODELS 48

ONE 20 GA. INTERMEDIATE STILE BETWEEN EACH EMBOSSED LOCATION ATTACHED W/ TOG-L-LOC (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER)

ATTACH PLATES AT THESE LOCATIONS ON EACH SECTION OF THE DOOR SEE VIEW E



16 GA. PAINTED END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER).
18 GA. GALV. DOUBLE END STILES ATTACHED TO TOP AND BOTTOM RAIL WITH PATENTED TOG-L-LOC SYSTEM.

NOTE: SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS SHOWN ON THIS DRAWING.

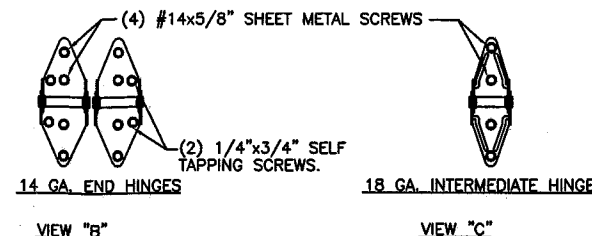
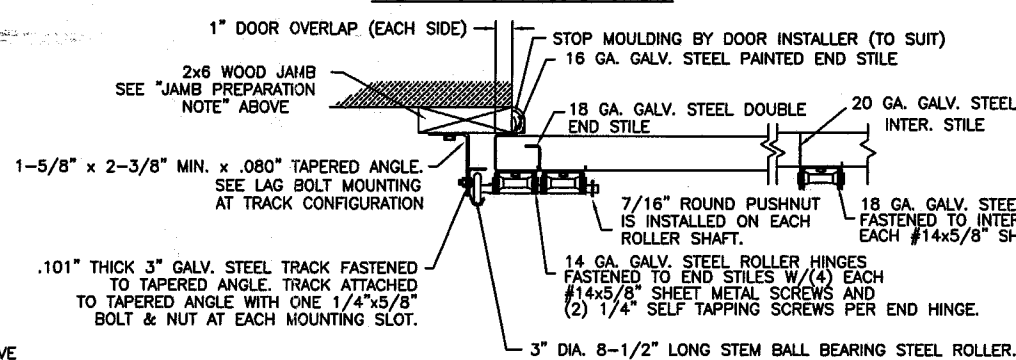


TABLE 1

DOOR HEIGHT	NUMBER OF SECTIONS *
6'0" TO 7'0"	4
7'6" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'0"	7

* SECTION ARE EITHER 18" OR 21" HIGH

PREPARATION OF JAMBS BY OTHERS



JAMB CONFIGURATION SECTION C-C

JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL YELLOW PINE (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
- ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

WOOD FRAME BUILDINGS

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED SYP OR BETTER GRADE #2 OR BETTER WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (F_b). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS.

C-90 BLOCK WALL, 2,000 OR 3,000 PSI MIN. CONCRETE

2x6 WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO TIE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

BUILDING TYPE	FASTENER TYPE	MAXIMUM * ON CENTER DISTANCE BETWEEN FASTENERS	STEEL WASHERS REQUIRED?
C-90 BLOCK	1/4" x 3" (1-1/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	6"	1" O.D.
3,000 PSI MIN. CONCRETE	1/4" x 4" (1-3/4" EMBED) ITW TAPCON CONCRETE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	18"	1" O.D.
3,000 PSI MIN. CONCRETE	1/2" x 4" (2-1/4" EMBED) ITW RED HEAD WEDGE ANCHOR (2" MIN. EDGE DISTANCE)	24"	INCLUDED
WOOD FRAME	1/2" x 4" (1-5/8" EMBED) LAG SCREW (ASTM A307, GRADE A) (2-1/2" MIN. EDGE DISTANCE)	14"	1" O.D.
C-90 GROUT-FILLED BLOCK	3/8" x 4" (2-1/2" EMBED) WEJ-IT SLEEVE ANCHOR (2-1/2" MIN. EDGE DISTANCE)	7-3/4"	INCLUDED
2,000 PSI MIN. CONCRETE	3/8" x 4" (2-1/2" EMBED) WEJ-IT SLEEVE ANCHOR (2-1/4" MIN. EDGE DISTANCE)	20"	INCLUDED

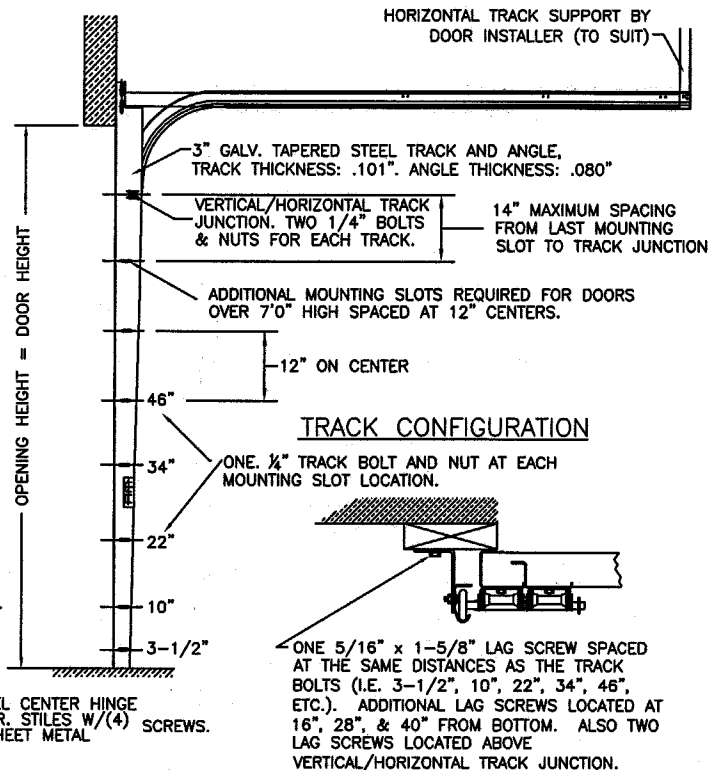
* - FIRST ANCHOR/SCREW STARTING FROM BOTTOM AT NO MORE THAN HALF OF MAXIMUM ON CENTER DISTANCE.

HIGHEST ANCHOR/SCREW INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING HEIGHT

#- ANCHORS CAN BE INSTALLED DIRECTLY THROUGH TAPERED TRACK ANGLE IN LIEU OF 5/6 x 1-5/8 LAG SCREWS

DESIGN LOADS: +42.0 P.S.F. & -46.0 P.S.F.

REV	DATE	DESCRIPTION
1	1/13/2003	MISC. REVISIONS REQUESTED BY MIAMI-DADE



DOOR HEIGHT	VERTICAL TRACK LENGTH
6'-6"	66"
7'-0"	72"
7'-6"	78"
8'-0"	84"
9'-0"	96"
10'-0"	96"
12'-0"	132"

Approved as complying with the
Florida Building Code
Date 2/13/03
NOA# 02-115.05
Miami Dade Product Control
Division
By [Signature]

ORIGINAL DRAWINGS ARE SIGNED IN BLUE INK WITH A RAISED SEAL (EMBOSS).

DESIGN ENGINEER:
MARK W. WESTERFIELD, P.E.
FLORIDA REGISTRATION No. 48495

Clopay
Building Products
Company

CLOPAY BUILDING PRODUCTS COMPANY
8585 DUKE BLVD.
MASON, OH 45040
(513) 770-4800

SCALE: NONE
DATE: 6/17/02
DRAWN BY: RJK
CHECKED BY: MWW

MAX DOOR SIZE: 18'2"W x 12'0"H
DESCRIPTION: CLOPAY M/N 84A, 94 & H94
IDEAL M/N 4RST & H4ST; HOLMES M/N 48
DRAWING NUMBER: 102621
REV: 1